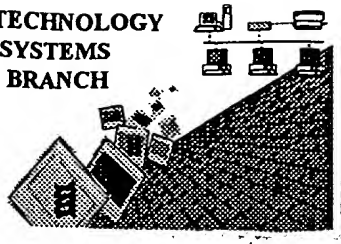
BIOTECHNOLOGY SYSTEMS BRANCH





1114

# RAW SEQUENCE LISTING ERROR REPORT

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 09/842,776
Source: 1600
Date Processed by STIC: 1/24/2002

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**
**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**
**PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)**
**PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)**

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
**http://www.uspto.gov/web/offices/pac/checker**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, r ther delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

**Raw Sequence Listing Error Summary**

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 09/842,776 |
|---|---|---|

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

| | | |
|---|---|---|
| 1 | Wrapped Nucleics<br>Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. |
| 3 | Misaligned Amino Numbering | The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead. |
| 4 | Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text. |
| 5 | Variable Length | Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | PatentIn 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 7 | Skipped Sequences (OLD RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)<br>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>This sequence is intentionally skipped<br><br>Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8 | Skipped Sequences (NEW RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.<br><210> sequence id number<br><400> sequence id number<br>000 |
| 9 | Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 10 | Invalid <213> Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence |
| 11 | Use of <220> | ~~Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.~~<br>Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.<br>(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | PatentIn 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |
| 13 | Misuse of n | n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide. |

1651

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/842,776

DATE: 01/24/2002
TIME: 11:38:09

Input Set : A:\C1786PCTsequence listing-EN.txt
Output Set: N:\CRF3\01242002\I842776.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: CONNEX GMBH
5 <120> TITLE OF INVENTION: New method for detecting acid-resistant microorganisms in the stool
7 <130> FILE REFERENCE: C 1786 PCT
E--> 9 <140> CURRENT APPLICATION NUMBER: US/09/842,776
E--> 10 <141> CURRENT FILING DATE: 2001-04-27
12 <160> NUMBER OF SEQ ID NOS: 64
14 <170> SOFTWARE: PatentIn Ver. 2.1

Pgs 1-6

ERRORED SEQUENCES

1162 <210> SEQ ID NO: 64
1163 <211> LENGTH: 118
1164 <212> TYPE: PRT
1165 <213> ORGANISM: Mus musculus
1167 <400> SEQUENCE: 64
1168 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Leu Val Lys Pro Gly
1169 1 5 10 15
1171 Gly Ser Leu Gln Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser
1172 20 25 30
1174 His Phe Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp
1175 35 40 45
1177 Val Ala Ser Ile Ser Ser Gly Gly Asp Ser Phe Tyr Pro Asp Ser Leu
1178 50 55 60
1180 Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Arg Asn Ile Leu Phe
1181 65 70 75 80
1183 Leu Gln Met Ser Ser Leu Arg Ser Glu Asp Ser Ala Met Tyr Phe Cys
1184 85 90 95
1186 Thr Arg Asp Tyr Ser Trp Tyr Ala Leu Asp Tyr Trp Gly Gln Gly Thr
1187 100 105 110
1189 Ser Val Thr Val Ser Ser
1190 115
E--> 1194 1
E--> 1197 19

delete

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002
TIME: 20:51:47

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02042002\I842776.raw

3 <110> APPLICANT: CONNEX GMBH
5 <120> TITLE OF INVENTION: New method for detecting acid-resistant microorganisms in the stool
7 <130> FILE REFERENCE: C 1786 PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/842,776
C--> 10 <141> CURRENT FILING DATE: 2001-04-27
12 <160> NUMBER OF SEQ ID NOS: 64
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 10
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
24 <400> SEQUENCE: 1
25 Gly Phe Ser Leu Ser Arg Tyr Ser Val His
26 1 5 10
29 <210> SEQ ID NO: 2
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31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
37 <400> SEQUENCE: 2
38 Met Ile Trp Gly Gly Gly Ser Thr Asp Tyr Asn Ser Gly Leu Lys Ser
39 1 5 10 15
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 12
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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51 Asn Met Gly Gly Arg Tyr Pro Asp Tyr Phe Asp Tyr
52 1 5 10
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 30
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
63 <400> SEQUENCE: 4
64 gggttctcat tatccagata tagtgtacac 30
67 <210> SEQ ID NO: 5

(see item 11 on Error Summary Sheet)

invalid - give source of genetic material

global error

68 <211> LENGTH: 48
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
75 <400> SEQUENCE: 5
76 atgatatggg gtggtggaag cacagactat aattcaggtc tcaaatcc 48
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 36
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
87 <400> SEQUENCE: 6
88 aatatggggg gtaggtaccc ggactacttt gactac 36
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92 <211> LENGTH: 15
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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100 Arg Ala Ser Lys Ser Val Ser Thr Ser Gly Tyr Ser Tyr Ile His
101 1 5 10 15
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 7
106 <212> TYPE: PRT
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113 Leu Ala Ser Asn Leu Glu Ser
114 1 5
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118 <211> LENGTH: 9
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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130 <210> SEQ ID NO: 10
131 <211> LENGTH: 45
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135 <220> FEATURE:
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<212> TYPE: PRT
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<220> FEATURE:
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1 5 10

<210> SEQ ID NO: 14
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<212> TYPE: PRT
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1 5 10 15
Val Lys Asp

<210> SEQ ID NO: 15
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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Asp His Asp Lys Phe Pro Phe Tyr Tyr Ala Leu Asp Tyr
1 5 10

<210> SEQ ID NO: 16
<211> LENGTH: 30
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002
TIME: 20:51:47

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02042002\I842776.raw

213 <220> FEATURE:
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216 <400> SEQUENCE: 16
217 ggtttcacct tcaattccta tgccatgtac 30
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221 <211> LENGTH: 57
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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229 cgcataagaa gtaaaagtga taattatgca acatattatg ccaattcagt gaaagac 57
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 39
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
240 <400> SEQUENCE: 18
241 gatcatgata agtttccttt ttactatgct ctggactac 39
244 <210> SEQ ID NO: 19
245 <211> LENGTH: 12
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
252 <400> SEQUENCE: 19
253 Thr Ala Ser Ser Ser Val Ser Ser Ser Tyr Leu His
254 1 5 10
257 <210> SEQ ID NO: 20
258 <211> LENGTH: 7
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
265 <400> SEQUENCE: 20
266 Ser Thr Ser Asn Leu Ala Ser
267 1 5
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271 <211> LENGTH: 9
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
278 <400> SEQUENCE: 21
279 His Gln Tyr His Arg Ser Pro Pro Thr
280 1 5
283 <210> SEQ ID NO: 22
284 <211> LENGTH: 36

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002
TIME: 20:51:47

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02042002\I842776.raw

285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
303 <400> SEQUENCE: 23
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308 <211> LENGTH: 27
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
315 <400> SEQUENCE: 24
316 caccagtatc atcgttcccc accgacg 27
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320 <211> LENGTH: 10
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
327 <400> SEQUENCE: 25
328 Gly Phe Thr Phe Ser Ser His Phe Met Ser
329 1 5 10
332 <210> SEQ ID NO: 26
333 <211> LENGTH: 16
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
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341 Ser Ile Ser Ser Gly Gly Asp Ser Phe Tyr Pro Asp Ser Leu Lys Gly
342 1 5 10 15
345 <210> SEQ ID NO: 27
346 <211> LENGTH: 9
347 <212> TYPE: PRT
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence
353 <400> SEQUENCE: 27
354 Asp Tyr Ser Trp Tyr Ala Leu Asp Tyr
355 1 5

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.